

**JP63318856**

Publication Title:

**MOIRE DELETING METHOD**

Abstract:

Abstract of JP63318856

**PURPOSE:**To delete the moire when a halftone dot picture is read by a large sensor like a linear image sensor, etc., by using only a sheet of double refraction element. **CONSTITUTION:**The light received from a halftone original 1 put on an original surface is divided into two beams by a double refracting optical element 3 after passing through a lens 2 and projected onto a linear color image sensor 4 in the form of a double image. Then the position of the sensor 4 is adjusted so that the double image overlaps the adjacent picture elements by half value. Thus the misreading rate and the blur degree are reduced for the image. Then the floating extent of the sensor 4 can be controlled at a state where a desired blur degree is substantially secured by substituting a blur distance (z) for a formula  $a=f*(b-z)/(b-z-f)-a$  to obtain a position where an in-focus state is secured at the floating position of the sensor 4 and then setting the original 1 at this position. Thus it is possible to reduce the moire including the blur by controlling the positional relation between the element 3 and the sensor 4.

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